CLAIMS

1. A mold for molding a disk, comprising:

(a) a first mirror-surface disk;

(b) a stamper attached to the first mirror-surface disk;

(c) a second mirror-surface disk disposed in opposition to the first mirror-surface disk, the first mirror-surface disk and the second mirror-surface disk forming a cavity therebetween at the time of mold clamping; and

(d) an adjustment member having a surface allowing the stamper to slide thereon, and formed in the vicinity of an outer circumference of the first mirror-surface disk in such a manner as to extend radially outward and to project toward the cavity.

2. A mold for molding a disk according to claim 1, wherein the surface of the adjustment member is a tapered surface.

3. A mold for molding a disk according to claim 1, wherein the surface of the adjustment member is curved.

4. A mold for molding a disk according to claim 1, wherein the adjustment member is disposed such that an inner circumference thereof is located 0.2 mm to 2 mm radially inward from an outer circumference of a disk substrate.

5. A mold for molding a disk according to claim 1, wherein a thickness of the adjustment member as measured at an outer circumference thereof is 10 μm to 50 μm greater than a thickness of the adjustment member as measured at an inner circumference thereof.

6. A mold for molding a disk according to claim 1, wherein

the adjustment member is formed from a material lower in thermal conductivity than the first mirror-surface disk.

7. An adjustment member to be disposed in a mold for molding a disk comprising a first mirror-surface disk, a stamper attached to the first mirror-surface disk, and a second mirror-surface disk disposed in opposition to the first mirror-surface disk, the first mirror-surface disk and the second mirror-surface disk forming a cavity therebetween at the time of mold clamping, comprising:

(a) a surface allowing the stamper to slide thereon,

(b) wherein the adjustment member is formed in the vicinity of an outer circumference of the first mirror-surface disk in such a manner as to extend radially outward and to project toward the cavity.

8. An adjustment member according to claim 7, wherein the surface is a tapered surface.

9. An adjustment member according to claim 7, wherein the surface is curved.

10. An adjustment member according to claim 7, disposed such that an inner circumference thereof is located 0.2 mm to 2 mm radially inward from an outer circumference of a disk substrate.

11. An adjustment member according to claim 7, wherein a thickness thereof as measured at an outer circumference thereof is 10 μm to 50 μm greater than a thickness thereof as measured at an inner circumference thereof.

12. An adjustment member according to claim 7, wherein the

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adjustment member is formed from a material lower in thermal conductivity than the first mirror-surface disk.

13. A method of molding a disk substrate in which a fine pattern of a stamper disposed on either a movable-side mold assembly or a stationary-side mold assembly is transferred to the disk substrate, comprising:

(a) moving the movable-side mold assembly toward the stationary-side mold assembly;

(b) forming a cavity between the movable-side mold assembly and the stationary-side mold assembly for charging a molding material thereinto;

(c) allowing the stamper to slide on an adjustment member for adjusting a variation in thickness of the disk substrate toward an outer circumference of the disk substrate when the stamper in contact with either the movable-side mold assembly or the stationary-side mold assembly expands in association with charge of the molding material into the cavity;

(d) cooling the molding material within the cavity;

(e) allowing the stamper to slide on the adjustment member when the stamper in contact with either the movable-side mold assembly or the stationary-side mold assembly contracts in association with cooling of the molding material; and

(f) moving the movable-side mold assembly away from the stationary-side mold assembly.